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(54) METHANOL SYNTHESIS CATALYST AND MANUFACTURE THEREOF

(57) Abstract:

PURPOSE: To obtain a high methanol yield in the synthesis of methanol in which carbon oxide reacts with hydrogen at a relatively low temperature by specifying the ratio of contents of copper oxide, zinc oxide, and zirconium oxide.

CONSTITUTION: The appropriate content of copper oxide in a catalyst is 20-70wt.%; the catalyst performance is not adequate when the content is deviated from the above range. The desirable contents of both zinc oxide and zirconium oxide are 5-75wt.%. The best results can be obtained by selecting the contents of these metal oxides corresponding to the composition of raw material gas.

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Abstract AB

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